

Figure 1

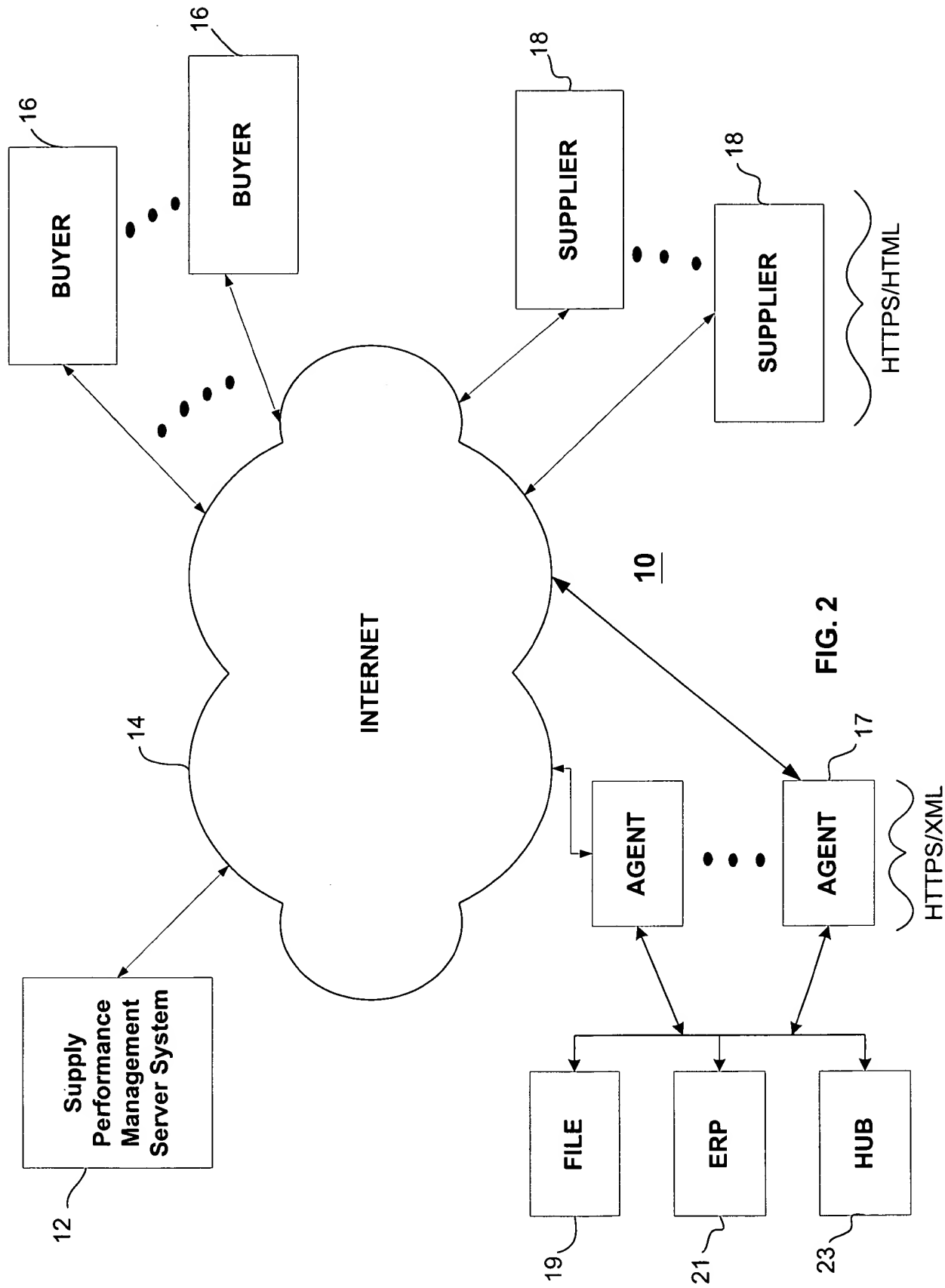


FIG. 2

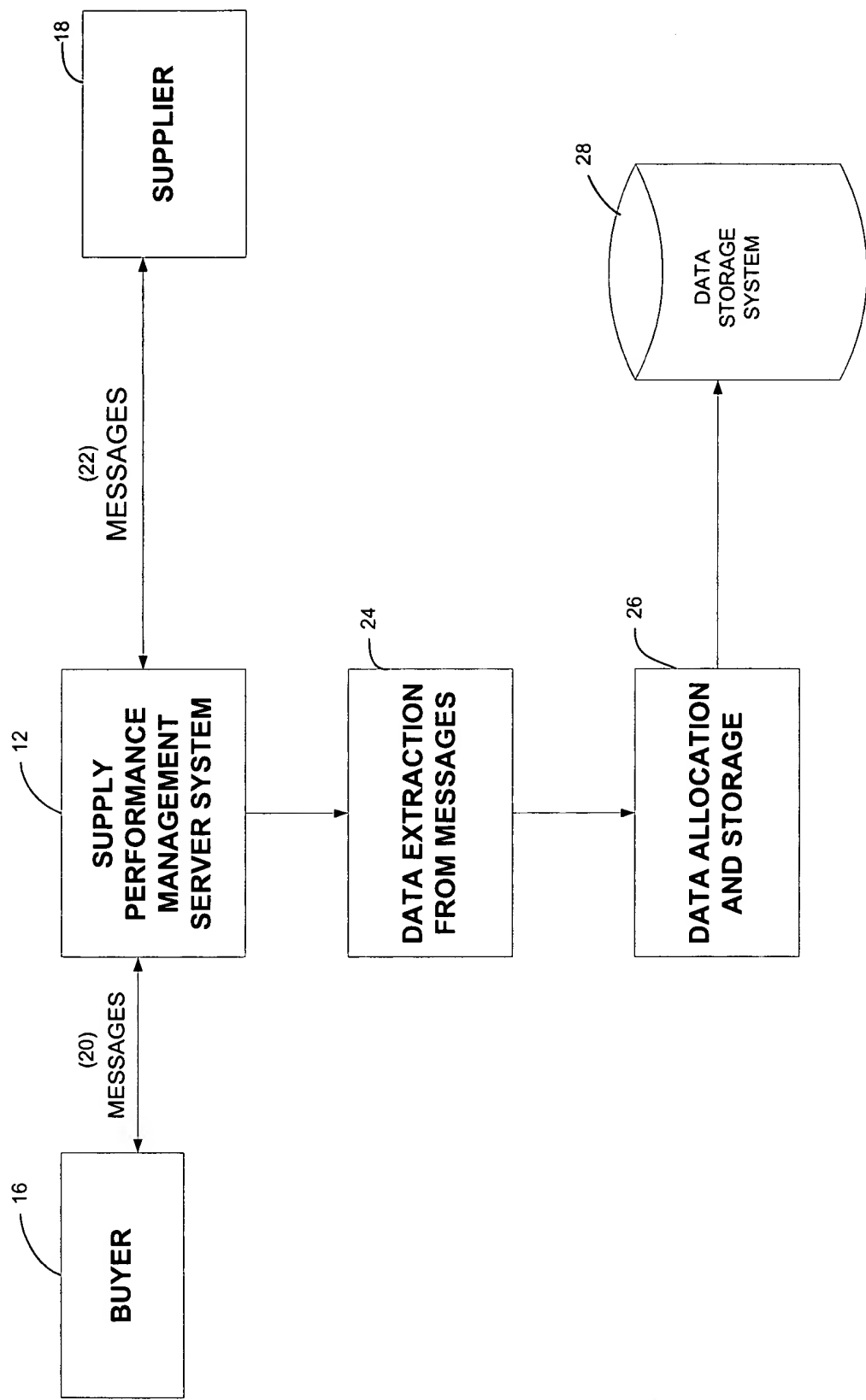
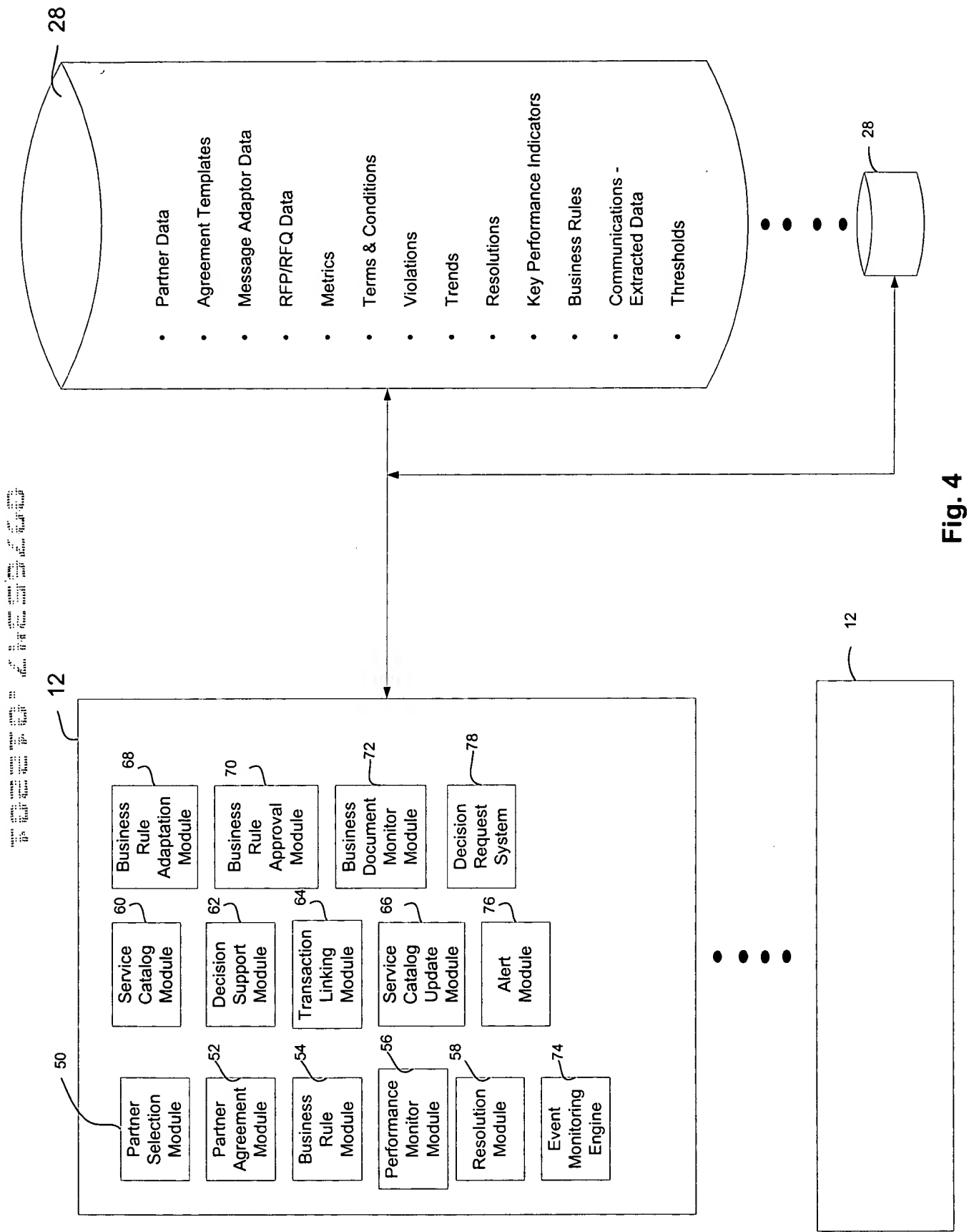


Fig. 3



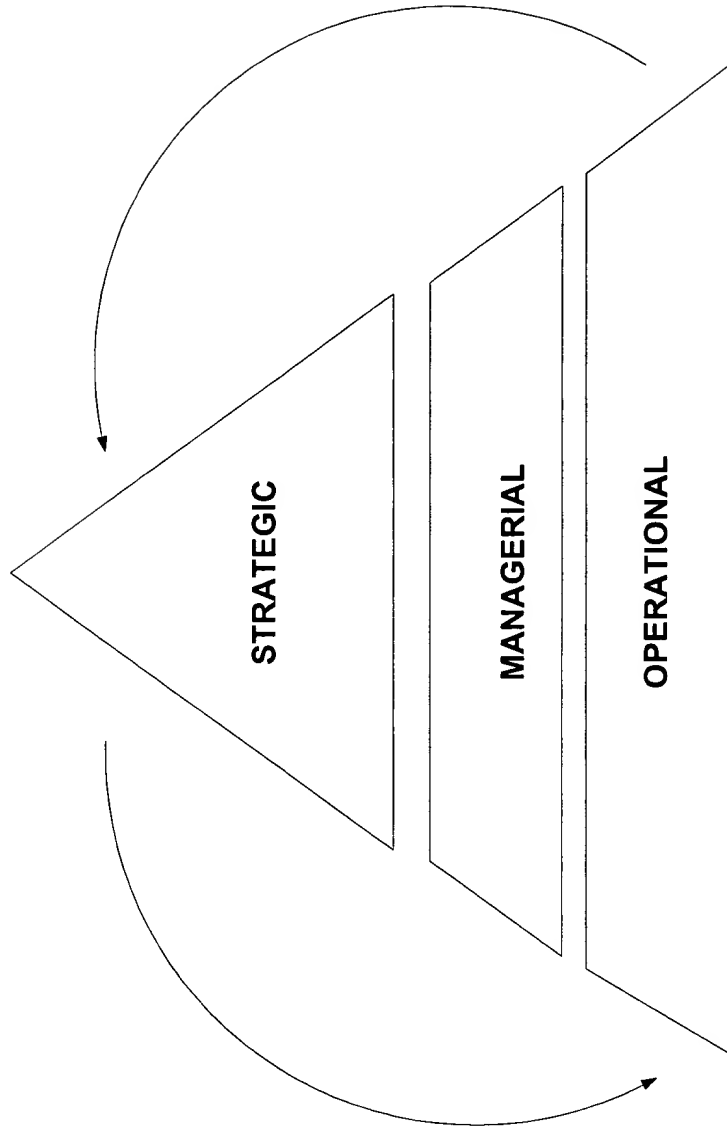


FIG. 5

FIG. 6 is a block diagram of a system 200 for active risk management. The system 200 includes a Customer Support module 226, a Partner DB 224, and an ACTIVE RISK MANAGEMENT module 208. The ACTIVE RISK MANAGEMENT module 208 includes an Event Workflow module 210 and a Notification module 202. The system 200 also includes an INFERENCE ENGINE 204, which includes an Analysis module 212, a Relevancy Algorithm 214, an Opportunity Algorithm 216, and a Goal Setting Algorithm 218. The system 200 further includes a DATA WAREHOUSE 220, which includes Transaction Data 218, Partner Data 220, and Master Data 222. The system 200 is connected to Transaction Engine Sources, D&B, Hoovers, etc., and a Buyer's ERP System.

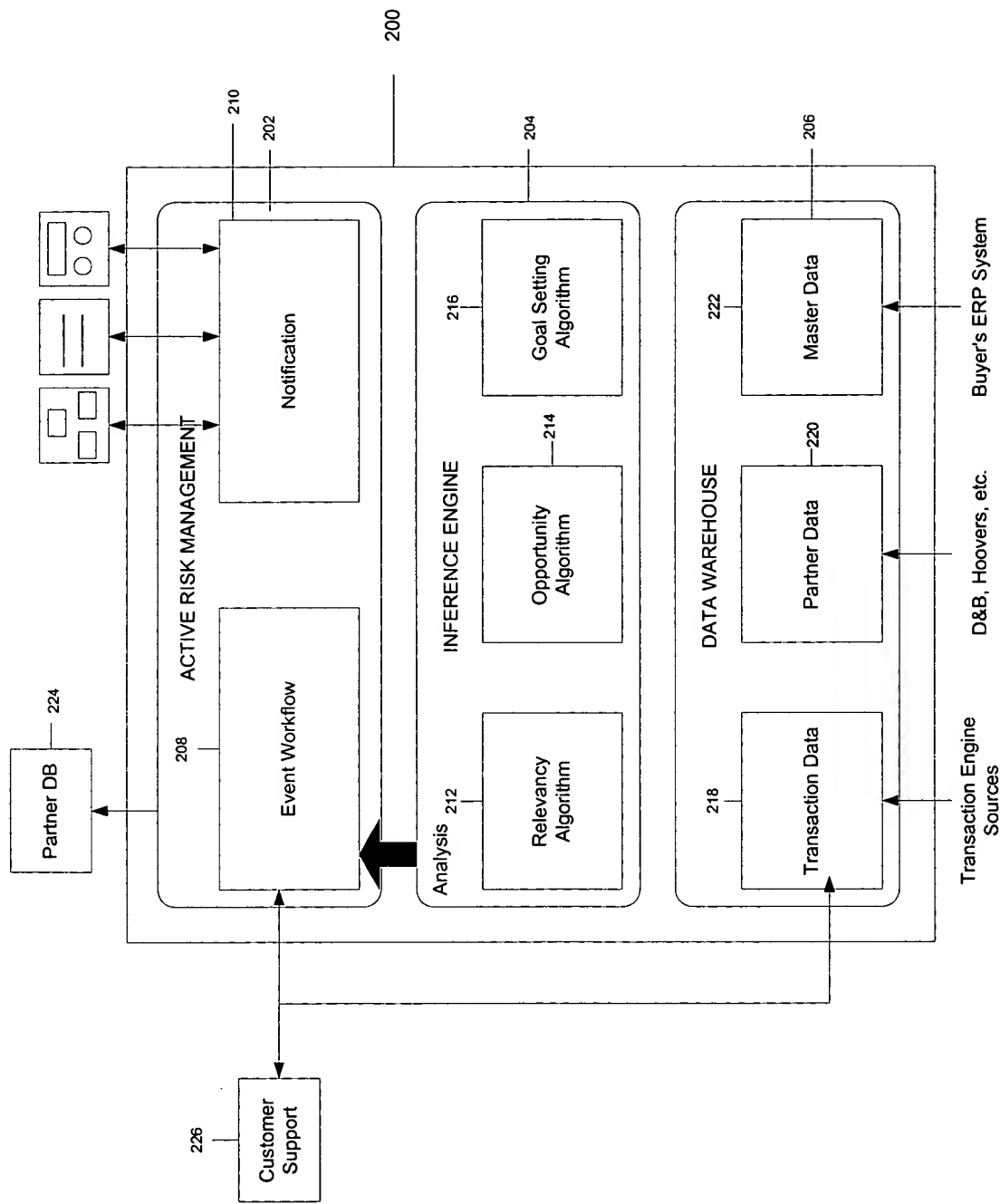


Figure 6

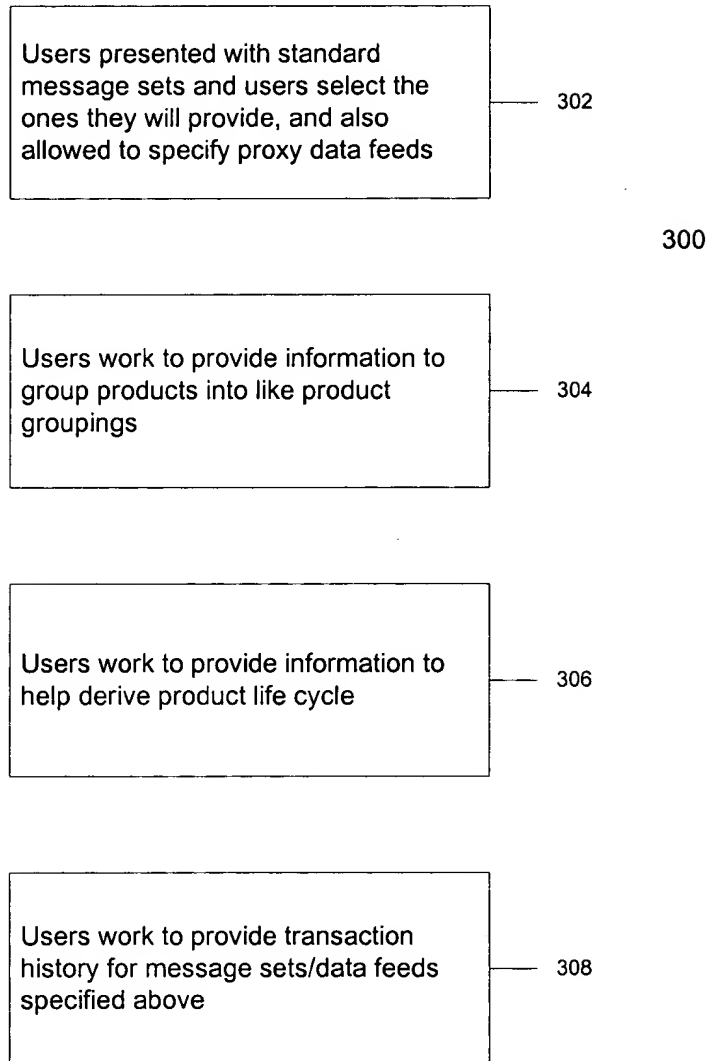


Figure 7

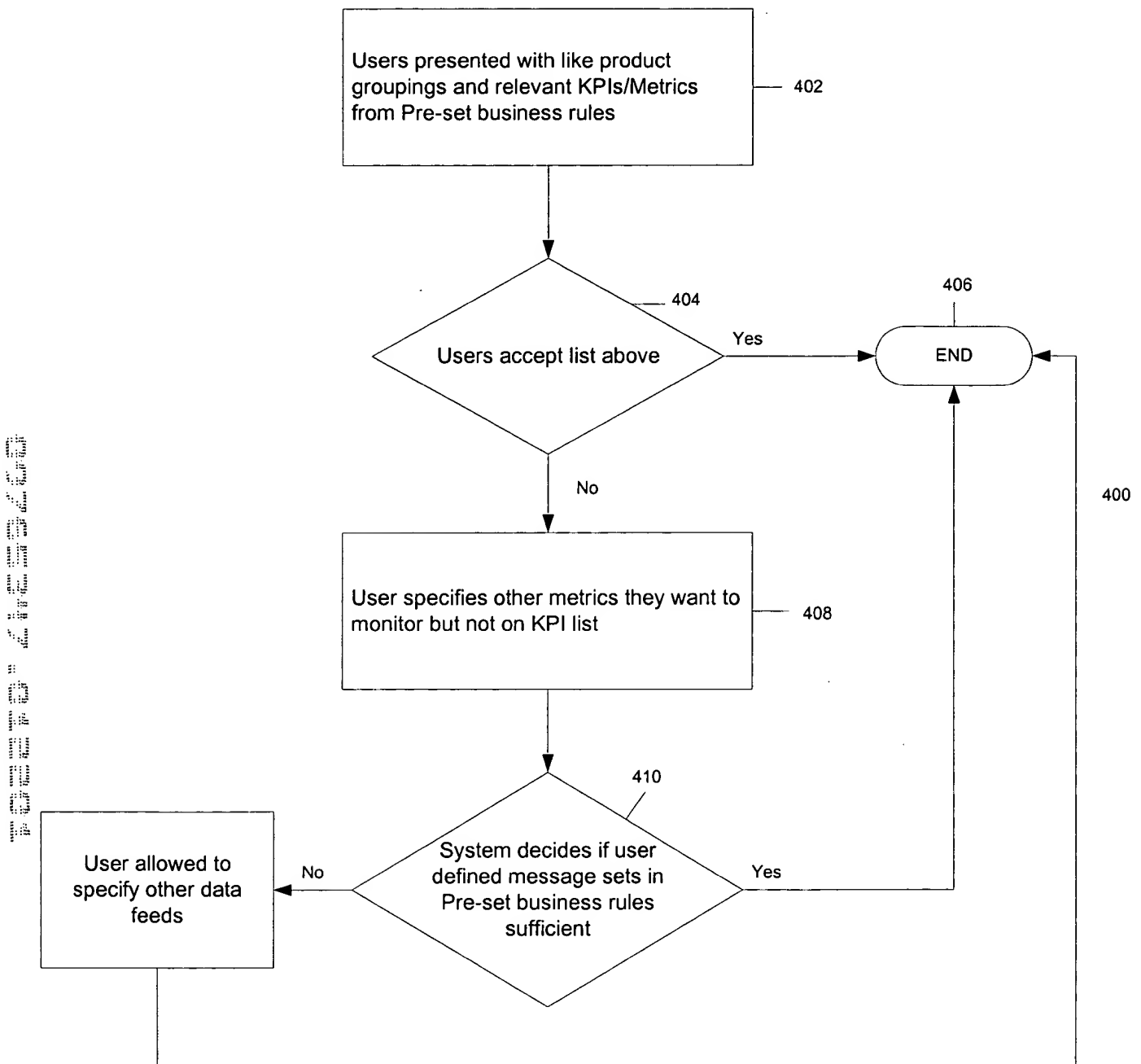


Figure 8

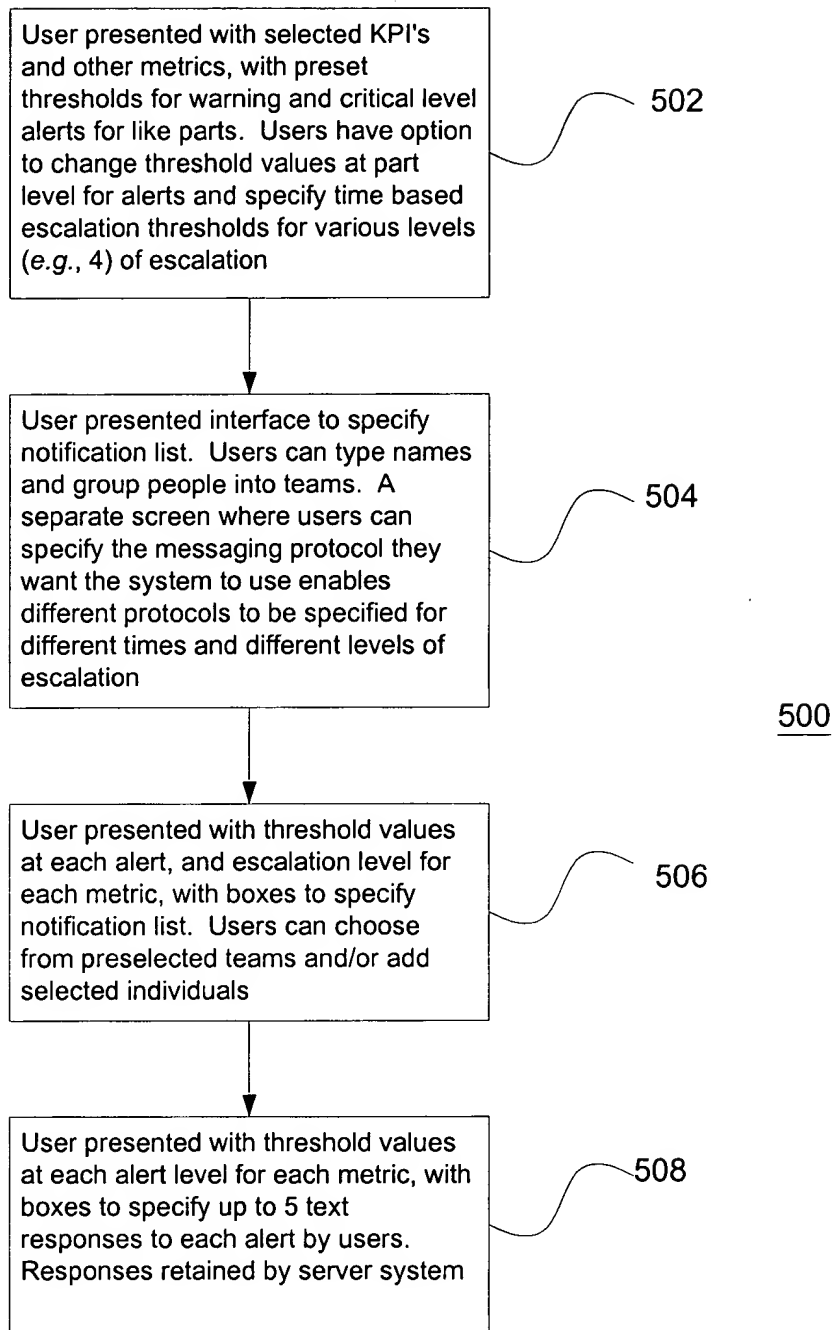


Fig. 9

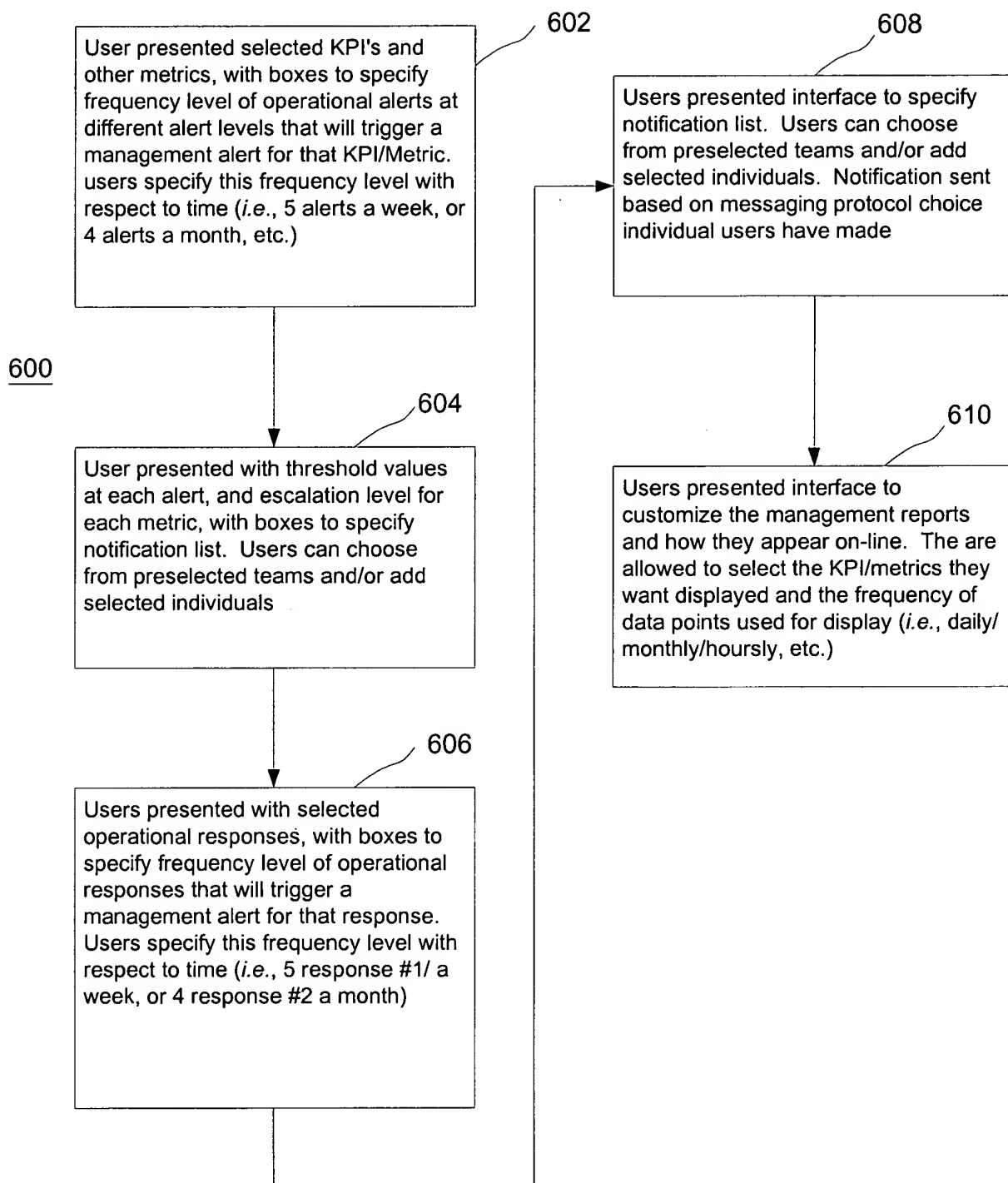


Fig. 10

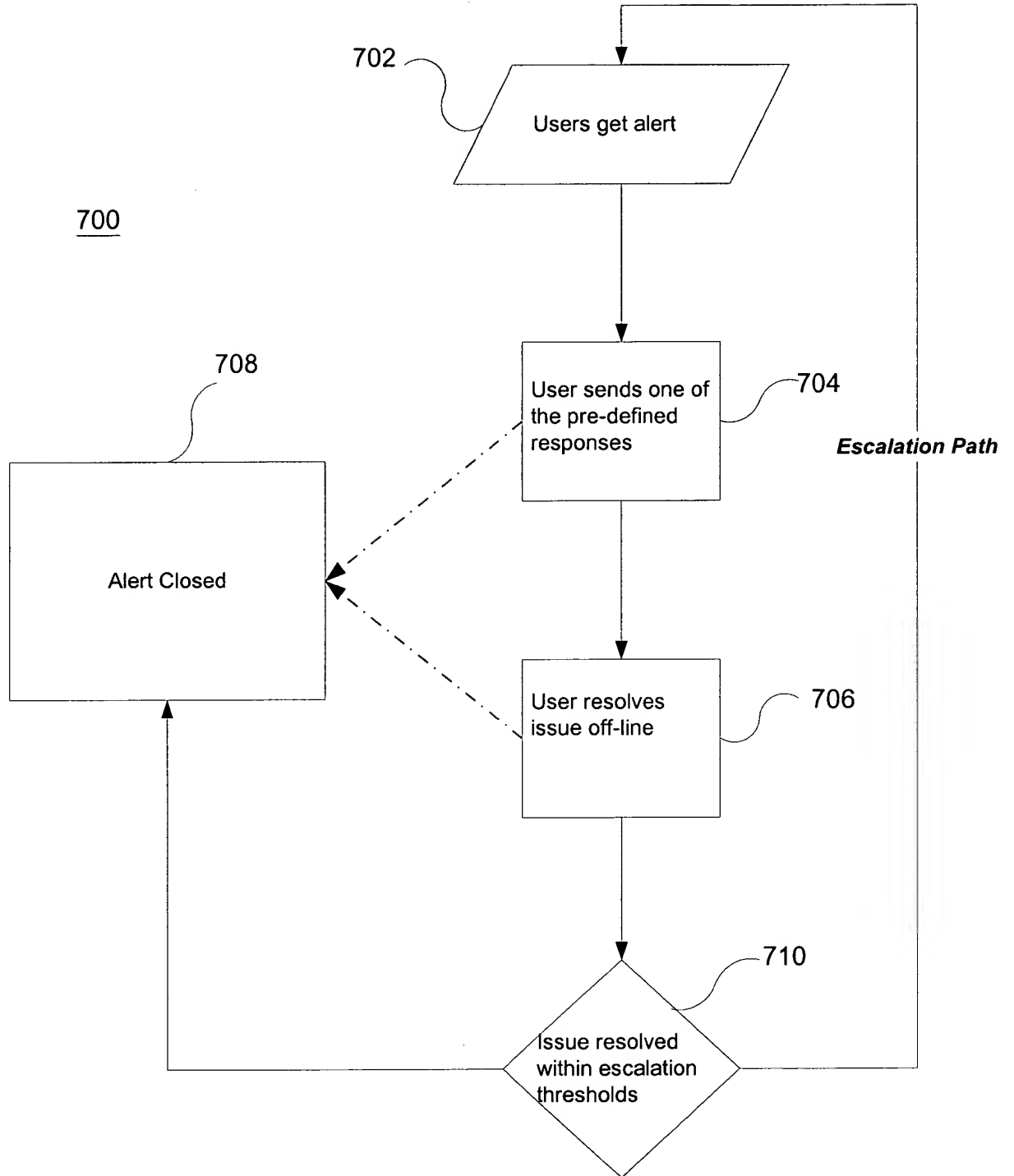


Fig. 11

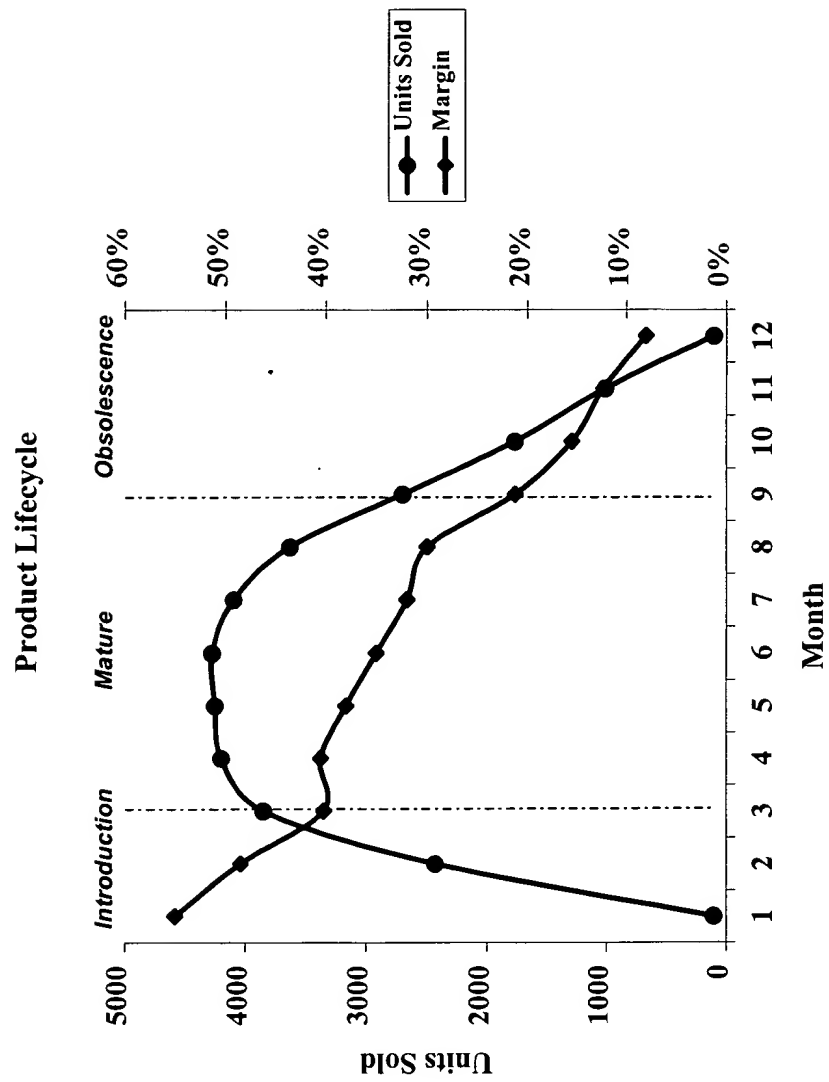


Fig. 12

Before and After System Utilization

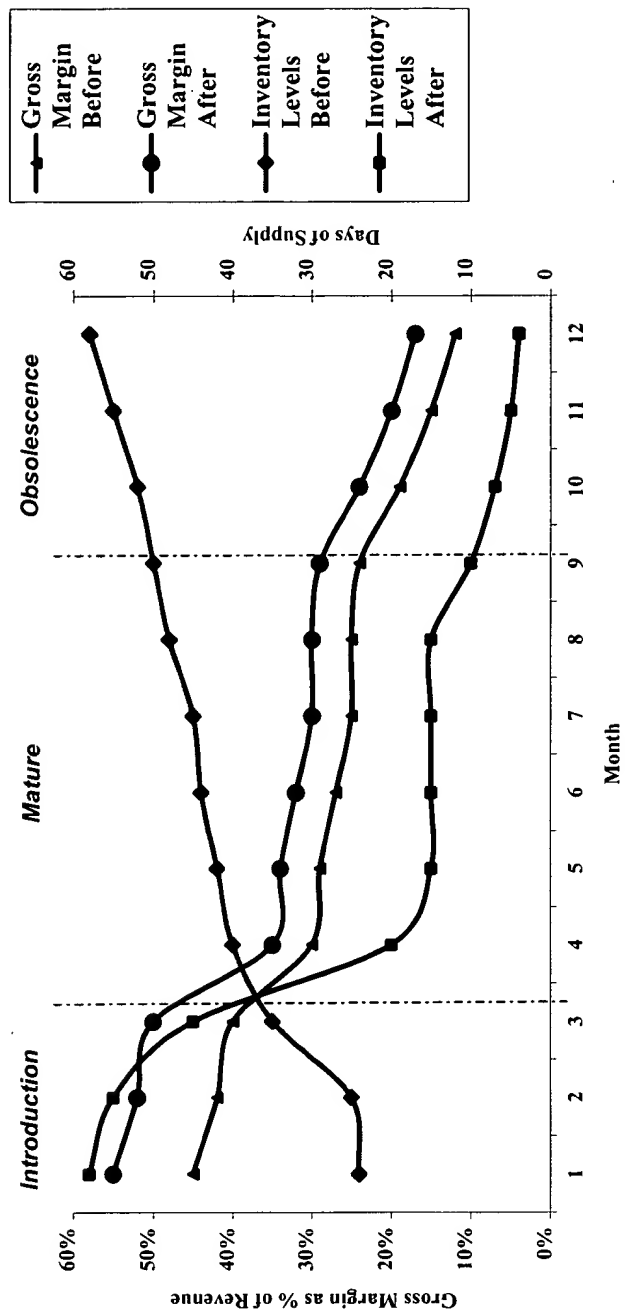


Fig. 13

KPI's														
Analytic Packs	Forecast Accuracy		Forecast Variance		Service Level		Days of Supply	Inventory Turns	On-time-ship	On-time-delivery	Perfect Order	Fill Rate	Cash-to-Cash	User Defined/Other Elements
Tradeoff service level vs. cost	X		X		X									Product standard cost
Confidence Factor	X	X												Product lifecycle
Tradeoff customer service levels vs. channel inventory levels									X	X	X			Product lifecycle, Product standard cost
Rank and manage partner performance	X	X	X					X	X	X	X			Industry benchmarks, User defined composite metrics
Tradeoff Cash-to-Cash vs. service level and inventory			X										X	Payment cycle time information

Fig. 14(a)

Details			Details		Input	
Analytic Packs						
	Tradeoff service level vs. cost		Allow users to view tradeoffs between forecast accuracy, level of inventory, cost and service levels. This lets users set policy that optimizes the relationship between these 3 variables, allowing users to set inventory levels that minimizes cost while achieving desired service levels. Also lets users to specify policy based on product lifecycle profiling, allowing different policy to be set for different products with system recommendations around which KPI to optimize based on lifecycle stage (Service level at introduction, Inventory levels at obsolescence)		Historical information around Forecast Accuracy, Inventory levels (DOS), Service levels, Product lifecycle information	
	Confidence Factors		Allow users to see the degree of reliability and accuracy of partner and network commitments based on product lifecycle. This lets them make allowances in their goal/threshold setting to take into account a perceived degree of inaccuracy/variance		History of performance for Forecast Accuracy, Forecast Variance, On-time-ship, On-time-delivery, Perfect Order, Fill Rate	
	Tradeoff customer service levels vs. channel inventory levels		Allow users to view tradeoffs between customer service levels and levels of inventory taking into account the product lifecycle. Allows users to set goals that achieve desired customer service levels while minimizing amount of inventory that needs to be carried. Also alert users when goals set are not appropriate based on product lifecycle stage		Historical information around On-time-ship, On-time-delivery, Perfect Order, Inventory Levels (DOS), Prod std cost & Product lifecycle information	
	Rank and manage partner performance		Allow users to see and compare partner performance across the supply-chain network and also across industry benchmarks		Historical information on partner performance for relevant KPIs (OTS, OTD, Fill Rate, Perfect Order), Information aggregation from other Premonition installations, Data feeds from D&B, Hoovers and other industry databases, User defined composite metrics	
	confidence Factors		Allow users to see how changing service levels and inventory levels affects the csh-to-cash cycle time. Allows users to set goals across the other 2 metrics to minimize the cash-to-cash cycle time		Historical information on service levels, inventory levels, & cash-to-cash cycle time	

Fig. 14(b)

Message Sets									
KPI's	Inventory Report (846)						Analytics		
	Forecast (830)	Inventory Report (846)	PO (850)	PO/ack (855)	Material Release (862)	Invoice (810)	Payment (820)	Advance Ship Notification (856)	Receipt Advice (861)
Forecast Accuracy	X	X			X				Tradeoff analysis between service levels and cost. Set confidence levels based on past performance and product lifecycle phase.
Forecast Variance	X								Highlights reliability and predictability of forecasting process. Set confidence levels based on product lifecycle phase and past partner performance.
Service Level		X	X		X				Tradeoff analysis of lost revenue vs. higher inventory carrying costs. Set smart goals by product based on lifecycle profiling.
Days of Supply	X	X			X				Minimize inventory levels when comfortable with forecast variability. Accelerate inventory turns by dynamically adjusting goals based on product lifecycle and past performance of partners.
On-time-ship			X	X	X		X		Improve customer satisfaction and retention by actively managing tradeoffs between customer service levels and channel inventory levels. Set aggressive, achievable goals by product based on lifecycle phase.
On-time-delivery			X	X	X	X		X	Improve customer satisfaction and retention by actively managing tradeoffs between customer service levels and channel inventory levels. Set aggressive, achievable goals by product based on lifecycle phase.
Perfect Order			X	X	X	X	X	X	Actively manage partner service level and effectiveness, to create a superior customer experience. Focus management attention on "hot spots" with Metalert pattern matching technology.
Fill Rate			X		X	X	X	X	Actively manage partner service level and effectiveness, to create a superior customer experience. Use to rank and drive partner performance.

Fig. 14(c)

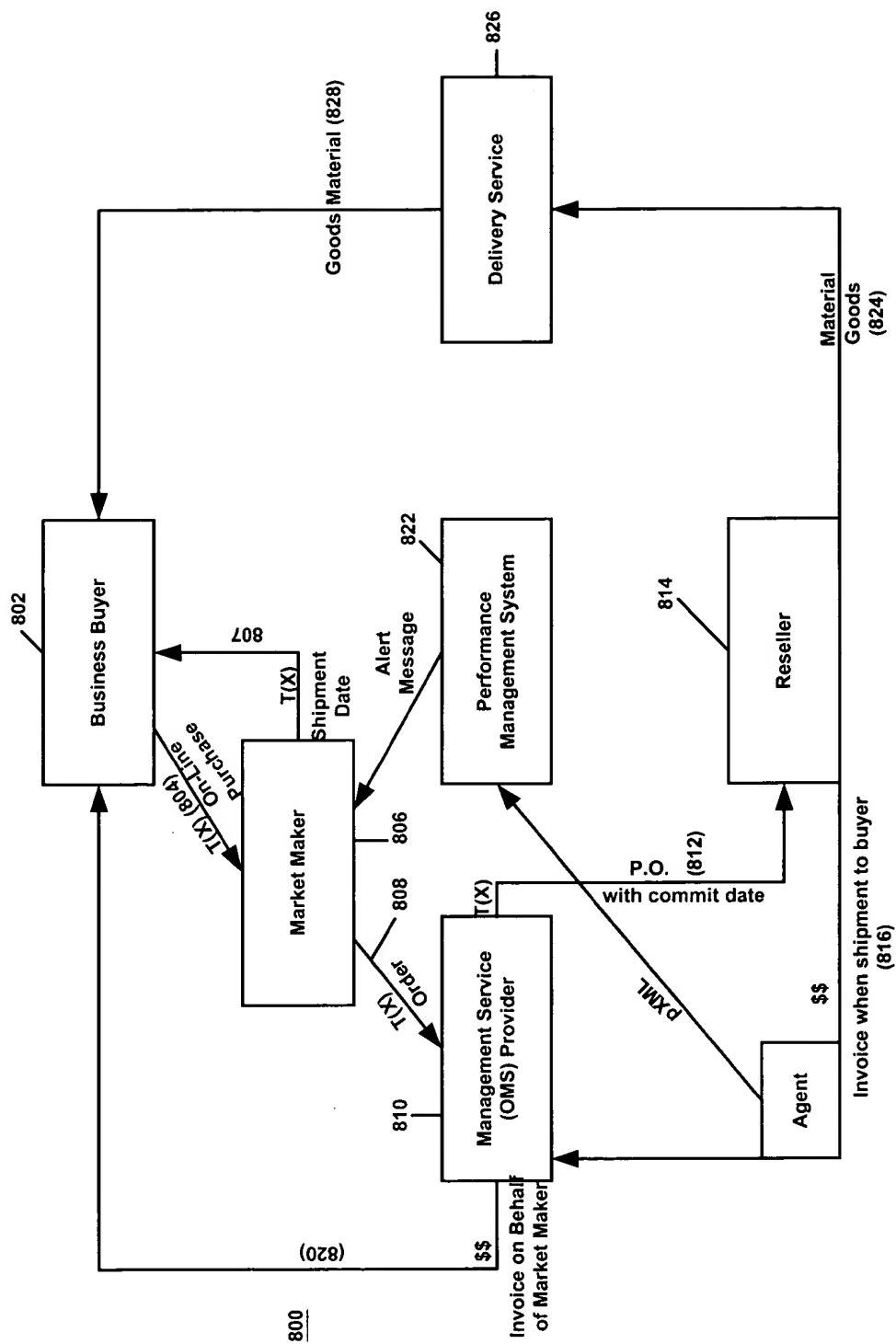


Figure 15

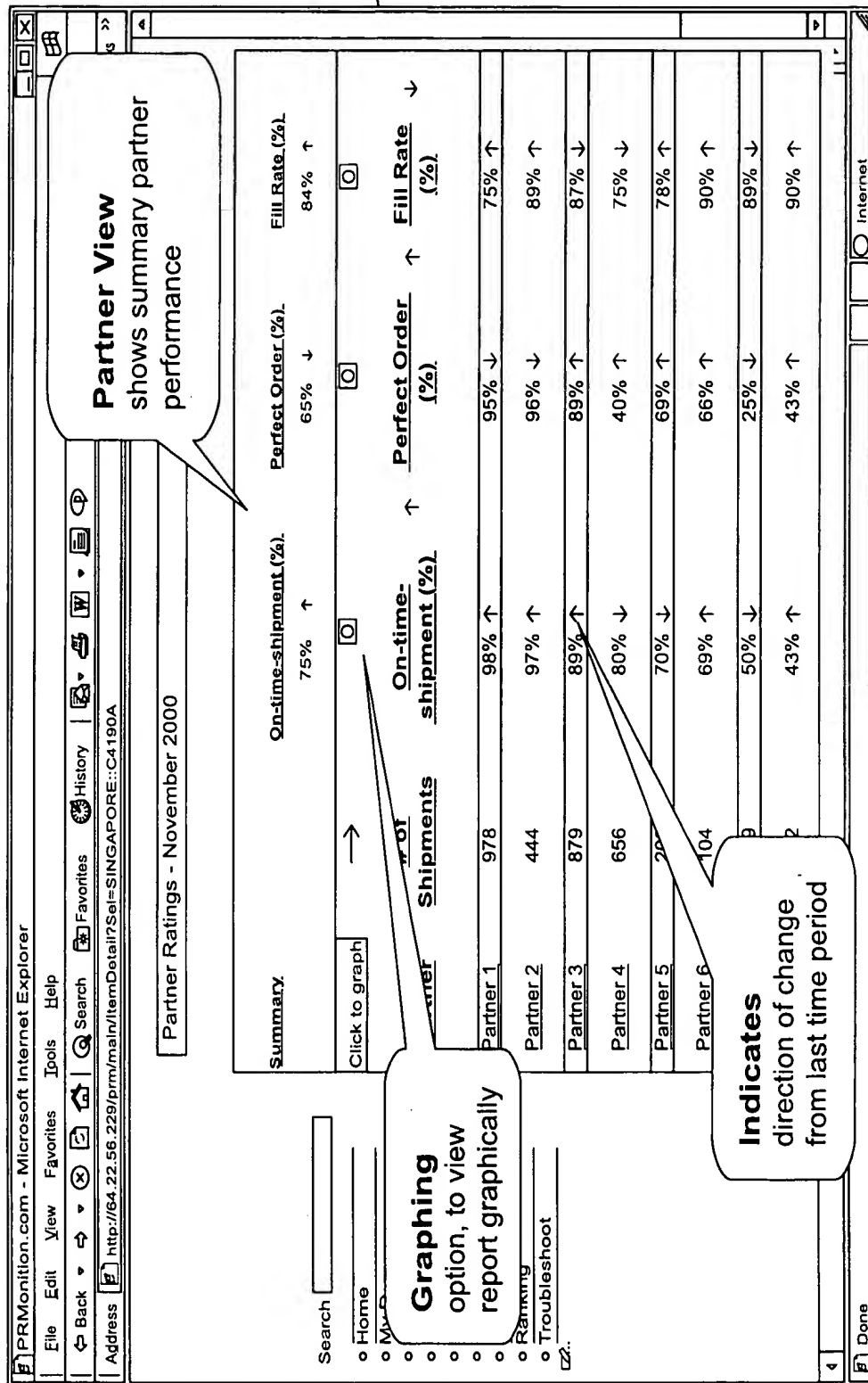


FIG. 16

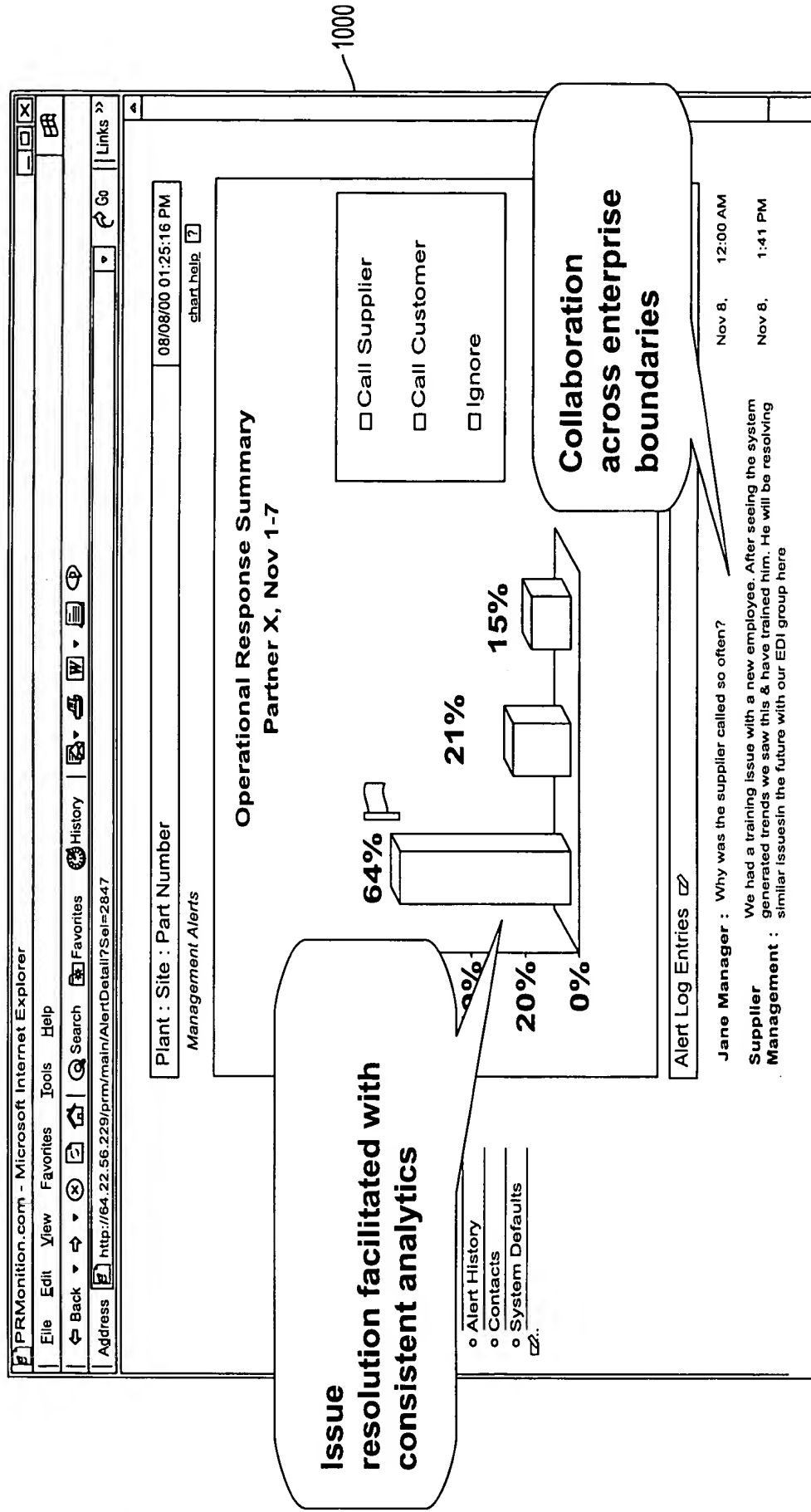


FIG. 17

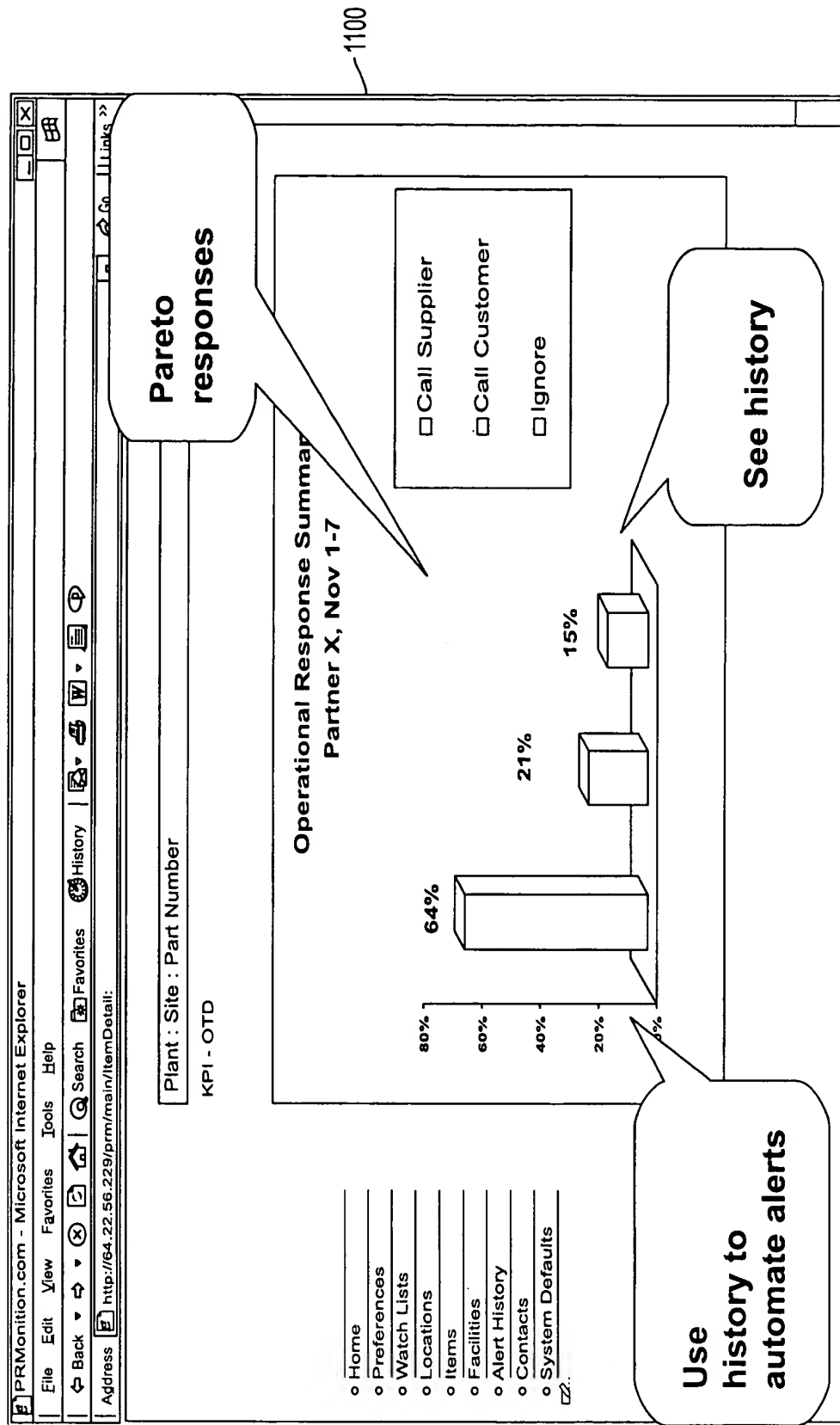
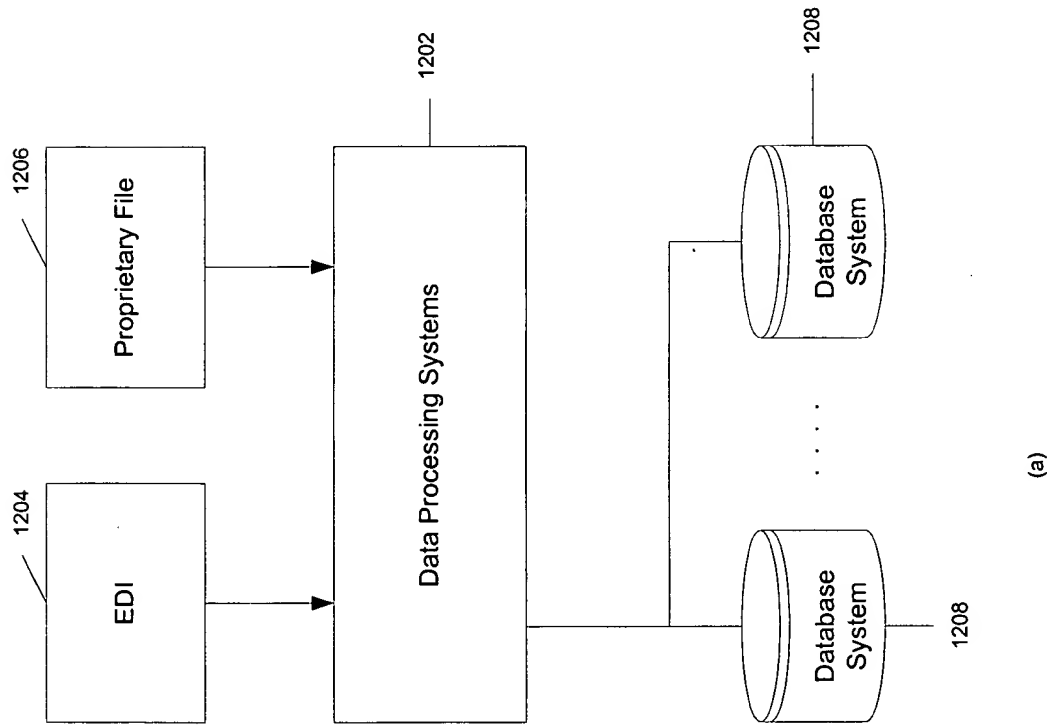
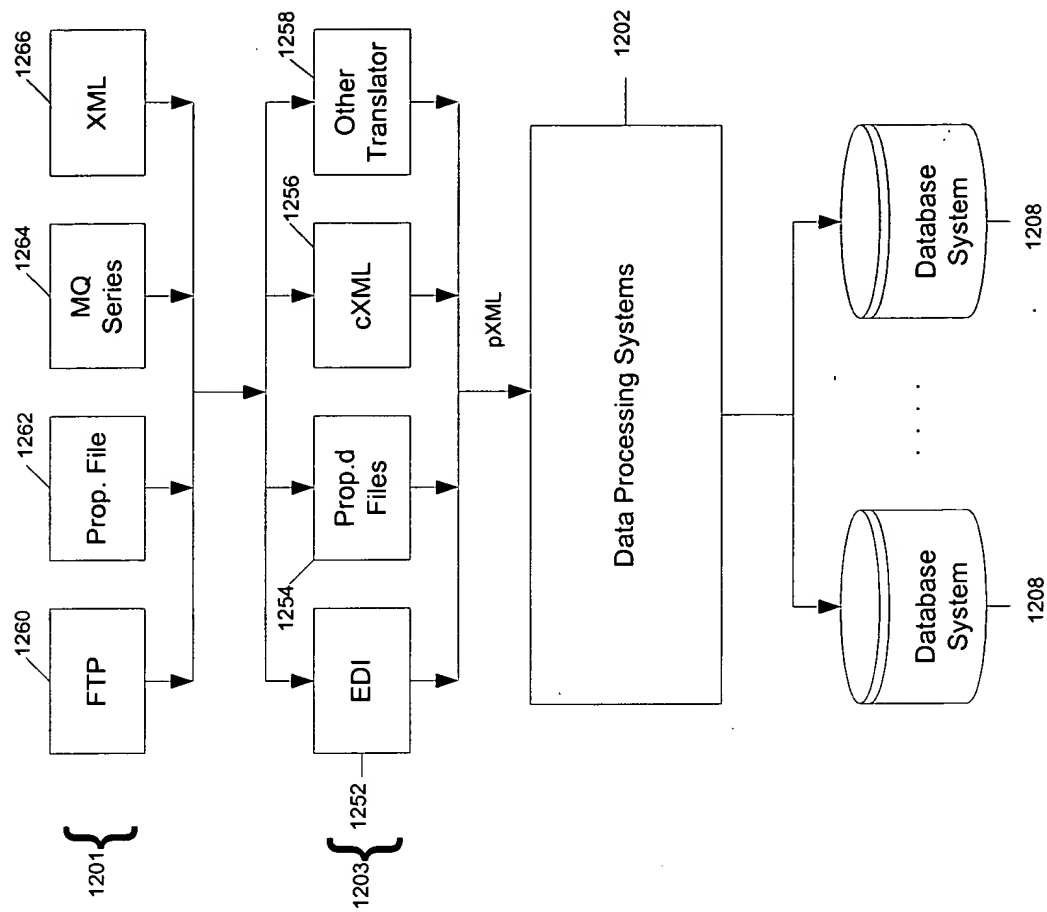


FIG. 18



(a)



(b)

Figure 19

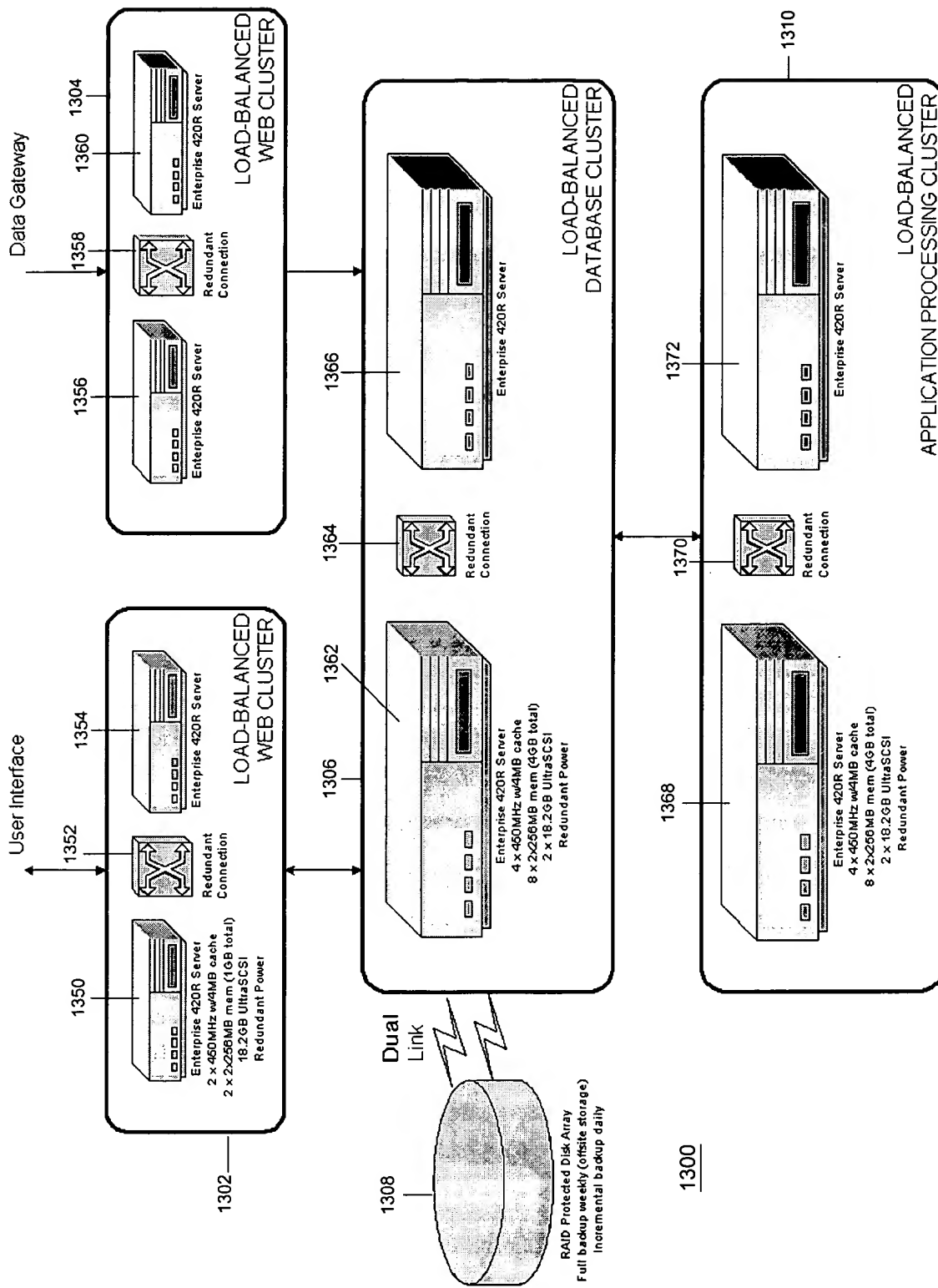


Fig. 20